

## ABSTRACT

A magnetic shunt assembly (12) for an exposure apparatus (10) includes a magnetic shunt assembly (12). The apparatus (10) includes an optical assembly (24)(26), a stage (44), a first mover assembly (16) that moves the stage (44) in a first gap (37). The first mover assembly (16) is surrounded by a magnetic field. The magnetic shunt assembly (12) is positioned near the optical assembly (24)(26) approximately between the optical assembly (24)(26) and the mover assembly (16). The magnetic shunt assembly (12) is made of a material having a relatively high magnetic permeability. The magnetic shunt assembly (12) can provide a low magnetic reluctance path that redirects at least a portion of the magnetic field from the first mover assembly (16) away from the gap (37).

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30 PATENT: PA0244-US\11269.27